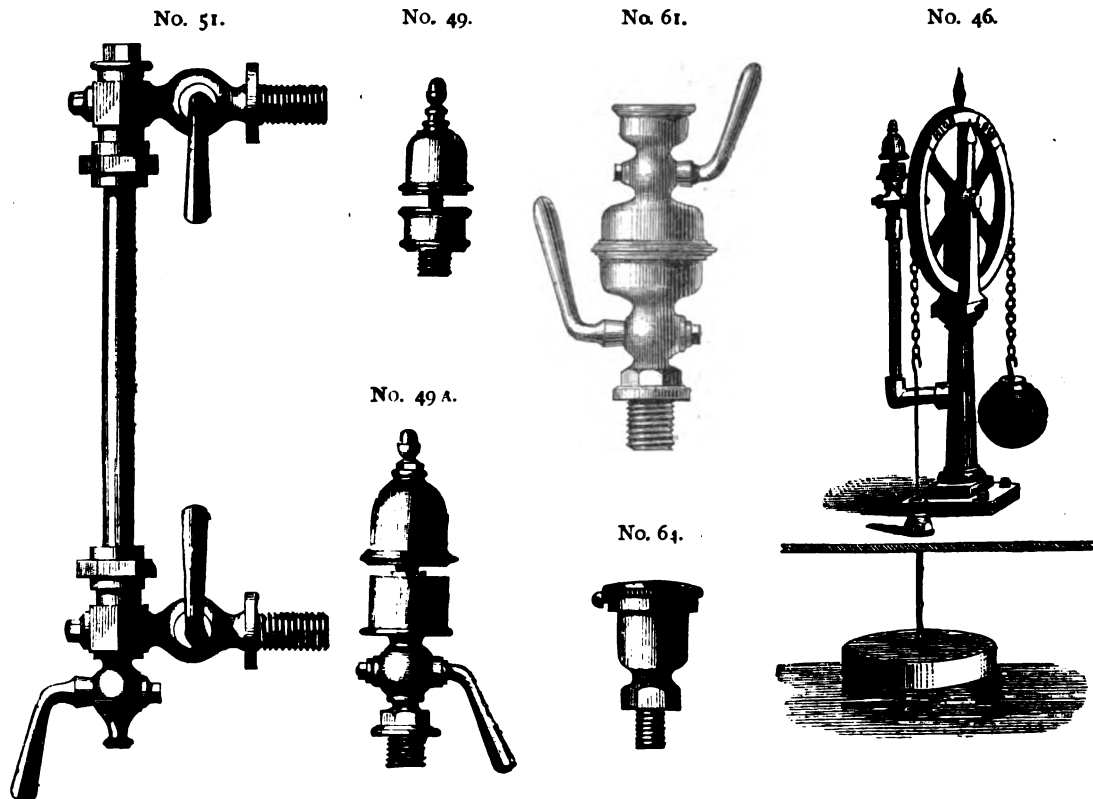


A. McGLASHAN AND CO., ENGINEERS, MILLWRIGHTS, BRASS AND COCK FOUNDERS, COPPERSMITHS, ETC.,

VICTORIA WORKS, COAL YARD, DRURY LANE, W.C.,

MANUFACTURERS OF BREWING COPPERS, STILLs, AND WORMS, REFRIGERATORS, PUMPS, AND
MASHING MACHINERY,

Distillers', Dyers', Chemists', Tallow Melters', Oil and Stearine Works, and Candle Manufacturers' Utensils and Fittings.



No. 46. IMPROVED SELF-ACTING ALARM WHISTLE, DANGER SIGNAL, AND HIGH AND LOW WATER INDICATOR, Consists of Cast-Iron Standard with Index Point, Brass Plate on Wheel engraved *High* and *Low*, Float Stone, Stuffing Box, Chain and Weight, Gun-Metal Cock and Whistle, Complete, £3 10s.

No. 49. GUN-METAL STEAM WHISTLE, FOR SMALL BOILERS.

1	5/6	3 (Largest Size) ..	7/6	5	11/6
2 (Middle Size) ..	6/6	4	9/6	6	13/0

No. 49 A. GUN-METAL STEAM WHISTLE, WITH COCK AND LEVER FOR SMALL BOILERS.

1	9/6	2	11/6	3	13/6
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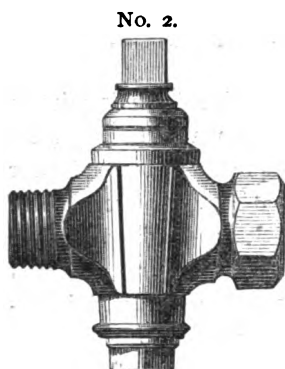
No. 51. GUN-METAL WATER GAUGE, WITH SCREWED SHANKS, FLY NUTS, FIXED METAL SPANNERS, GLASS TUBE, AND VULCANIZED INDIARUBBER RINGS, COMPLETE.

	No. 1. 16/0	No. 2. 21/0	No. 3. 28/0
Ditto, with Ebony Handles	17/6	22/6	30/0

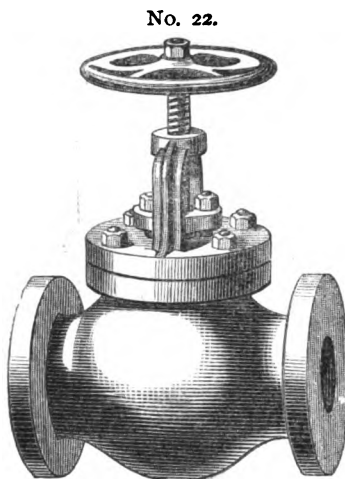
No. 61.—No. 1.	10/0	No. 2.	12/6	No. 3.	15/0
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No. 64.	Small Size, 2/6	Large Size, 3/6
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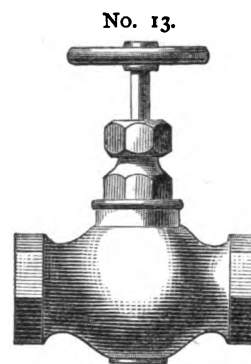
Illustrated Catalogues on application.



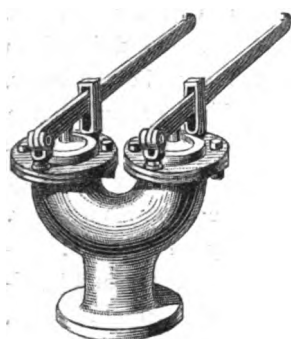
No. 2.



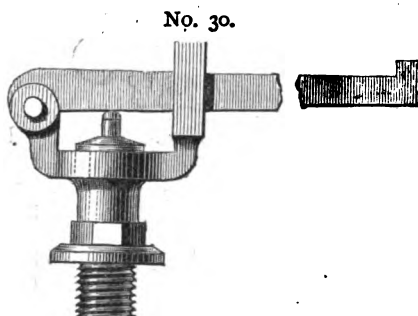
No. 22.



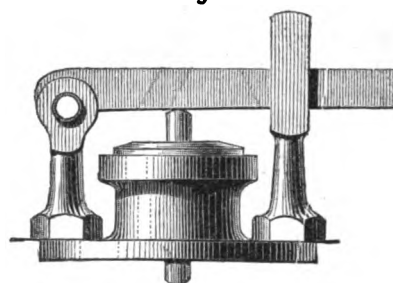
No. 13.



No. 27.



No. 30.



No. 31.

No. 2. GUN-METAL STEAM COCK, WITH MALE AND FEMALE ENDS, SCREWED TO FIT PIPE.

	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	2"
Bright	2/4	3/0	4/0	5/10	9/0	14/6	20/6	36/0
Black	—	—	3/9	5/6	8/6	12/6	19/0	34/0

No. 13. GUN-METAL GLOBULAR STEAM VALVE, WITH FEMALE ENDS, SCREWED TO FIT IRON PIPE.

	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	2"
Strong Pattern ..	6/0	7/6	12/0	16/0	21/0	30/0
Light „ ..	4/6	6/0	8/6	11/6	15/0	25/0

No. 22. CAST-IRON GLOBULAR STEAM VALVE, WITH FLANGE ENDS FOR SUPERHEATED STEAM.

	2"	3"	4"	5"	6"
Best pattern	42/0	63/0	84/0	105/0	120/0

No. 27. CAST-IRON STANDARD, WITH TWO GUN-METAL SAFETY VALVES, AND WROUGHT-IRON LEVERS.

	2"	3"	4"
Hollow Cast-Iron Weights, Extra	50/0	60/0	80/0

No. 30. GUN-METAL SAFETY VALVE, WITH IRON LEVER PASSING THROUGH GUIDE, AND SCREWED TO FIT IRON PIPE.

	$\frac{3}{4}$ "	1"	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	2"
	8/6	10/6	14/0	18/0	25/0

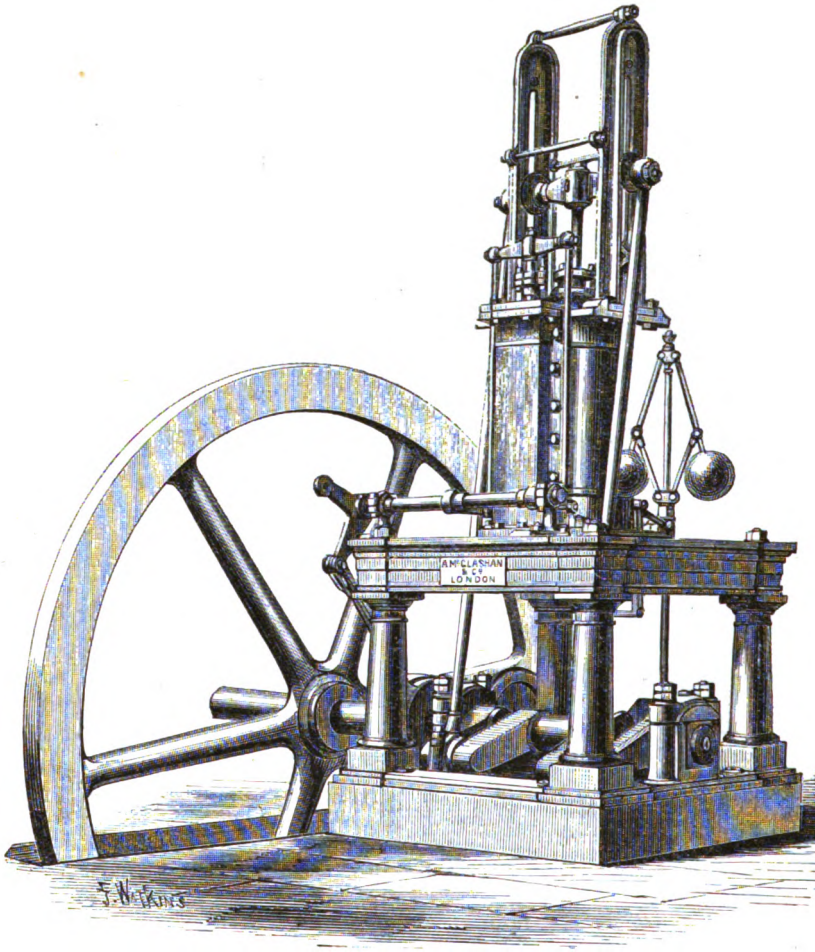
No. 31. GUN-METAL SAFETY VALVE, WITH IRON LEVER PASSING THROUGH GUIDE, AND FLANGED, TO BOLT ON TO STANDARD PIPE ON THE BOILER DIRECT.

	2"	$2\frac{1}{2}$ "	3"	4"
No. 1.	24/0	33/0	42/0	56/0
2.	28/0	38/0	48/0	63/0
3.	40/0	56/0	60/0	80/0

Illustrated Catalogues on application.

A. McGLASHAN AND CO.,
ENGINEERS, MILLWRIGHTS, BRASS AND COCK FOUNDERS, COPPERSMITHS, &c.,
VICTORIA WORKS, COAL YARD, DRURY LANE, W.C.

IMPROVED VERTICAL, OR TABLE STEAM-ENGINE.



The Engraving, drawn from a photograph, represents one of our 8 horse-power Table Steam-Engines. These Engines are designed and constructed in accordance with the most approved and modern principles of engineering. The various parts are carefully got up, fitted, and finished in the very best manner, and in their construction particular attention has been paid to efficiency and economy in working. They are compact, well-proportioned, and handsome-looking Engines, and when compared with Horizontal Engines they occupy much less space, do their work better, and what is of great consequence, the working parts wear regular; and

it is well known that this is not the case with Horizontal Engines. For all purposes where a moderate amount of power is required (say from 4 to 15 horse-power), they are the best and most economical working Engines.

A. McGlashan and Co. have manufactured and supplied a large number of these Engines to Brewers, Distillers, Builders, Saw Mill Proprietors, Printers, Oil Works, Candle Manufacturers, Chemists, Calendrers, Dyers, and others.

Many of these Engines have been at work twenty years, and with the exception of new gun-metal bearings, and the pistons looked to occasionally, they have had no substantial or other repair done to them.

Each Engine is supplied with a governor, throttle valve, and feed pump.

The power of each Engine is calculated to do its allotted work with steam at 25 lb. to 30 lb. per inch, but if worked with steam at 40 lb. to 50 lb., the Engines are made strong enough to give out 25 to 30 per cent. more power.

A. McGLASHAN AND CO.,
ENGINEERS, MILLWRIGHTS, BRASS AND COCK FOUNDERS, COPPERSMITHS, &c.,
VICTORIA WORKS, COAL YARD, DRURY LANE, W.C.

BOURA'S PATENT COLOUR-EXTRACTOR APPARATUS.

FOR

EXTRACTING COLOURING MATTER FROM DYE-WOOD, COCHINEAL, PERSIAN BERRIES, GALL, BARK, &c.

These Apparatus, 400 being now in use, are well known and highly appreciated by the Firms using them for their good qualities, viz. Simplicity, Cleanliness, Economy of Fuel, and great Saving of Colouring Matter, and give the greatest satisfaction, as they extract more colouring matter in Two Hours than can be done by the old system of boiling in EIGHT HOURS, and the colour is much superior in point of brilliancy.

The saving of colouring matter produced by this Apparatus has been proved to be as follows : From all kinds of Dye-wood, 10 per cent. ; Cochineal, Persian Berries, and Galls, 15 per cent. ; Bark, 25 per cent.

The colouring matter can be extracted at 1, 2, or 3 degrees T., if required.

FIG. 1. SHOWING THE WORKING POSITION.

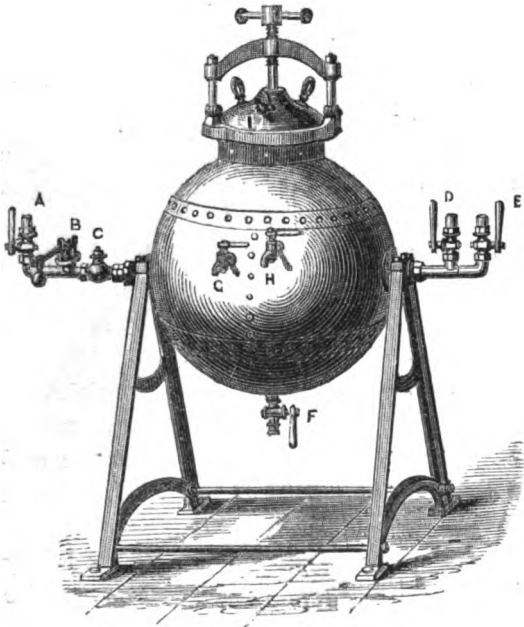
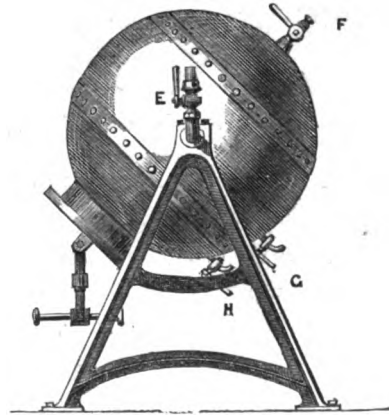


FIG. 2. SHOWING HOW TO TAKE OUT THE WOOD.



A, Steam Cock ; B, Safety Valve ; C, Check or Back-Pressure Valve ; D, Water-Supply Cock ; E, Colour-Discharge Cock ; F, Washing-out Cock ; G, Water-Gauge Cock ; H, Steam-Gauge Cock ; I, Air and Steam Outlet Cock.

The above Apparatus is made of Copper and Gun Metal, with Gun-Metal Steam Cocks, Union Screws, Safety and Check Valves, and fixed on to Cast-Iron Standards, complete and ready for use.

$\frac{1}{2}$ cwt. . . .	£16	2 cwt. . . .	£42	4 cwt. . . .	£85
1 cwt. . . .	£30	3 cwt. . . .	£65	5 cwt. . . .	£105

Testimonials and Prospectuses on application.

A. McGLASHAN AND CO.,

ENGINEERS, MILLWRIGHTS, BRASS AND COCK FOUNDERS, COPPERSMITHS, &c.,
VICTORIA WORKS, COAL YARD, DRURY LANE, W.C.

THE FIELD BOILER,

OF WHICH UPWARDS OF 1000 ARE NOW WORKING IN ALL PARTS OF THE WORLD, ARE CHEAP, COMPACT, ECONOMICAL, AND THOROUGHLY EFFICIENT FOR ALL PURPOSES.

THE "FIELD" TUBES,

OF WHICH MORE THAN 200,000 HAVE BEEN APPLIED TO BOILERS OF ALL KINDS, ARE CHEAP, EASILY APPLIED (WITHOUT DISTURBING THE BRICKWORK), SAVE FUEL, GIVE INCREASED POWER, PROMOTE CIRCULATION, AND PREVENT LEAKAGE.

The "FIELD" system is largely adopted by the British, Colonial, and principal Foreign Governments, Railway, Steamboat, and Dock Companies, Builders, Brewers, Distillers, Dyers, Engineers, Founders, and Printers; also in Cotton and Paper Mills, Iron, Steel, and Oil Works, Tobacco, Soap, Stearine, and Candle Manufactories; and by many of the most eminent firms, companies, and others, at home and abroad.

ADVANTAGES.

SAFETY.—It is the safest steam generator yet introduced. In the event of shortness of water, the worst that can happen is the burning of some of the tubes, which in fact serve as fusible plugs, so that the fire is extinguished without further damage.

CIRCULATION OF THE WATER.—The circulation of the water in the tubes is absolutely perfect, and is unequalled in any other construction of Boiler.

ECONOMY IN SPACE, WEIGHT, AND FUEL.—An enormous saving of space and weight is effected, and very satisfactory results as regards economy in consumption of fuel are obtained.

DURABILITY, SIMPLICITY, ACCESSIBILITY, AND CHEAPNESS.—Many Boilers on this principle have been in constant use for years without showing the least sign of deterioration. They are perfectly accessible for examination and repair, and as all the working parts are of the most simple construction, the Boilers can be produced ready for work at a very moderate cost, much below that of other descriptions of Boilers, when the saving in brickwork is considered.

ADVANTAGES OF "FIELD" TUBES FOR EXISTING BOILERS.—The "Field" Tubes are largely adopted in Cornish and other Boilers of ordinary construction for increasing their evaporative efficiency and saving fuel.

FACILITY OF FIXING THE TUBES.—The tubes can be readily fixed at small cost, by a very slight expansion of their upper ends, into the thinnest boiler plates, without the employment of any ferrules, bolts, nuts, screws, rivets, or other objectionable contrivance, and without removing the flue of the Boiler, or in any way interfering with the setting.

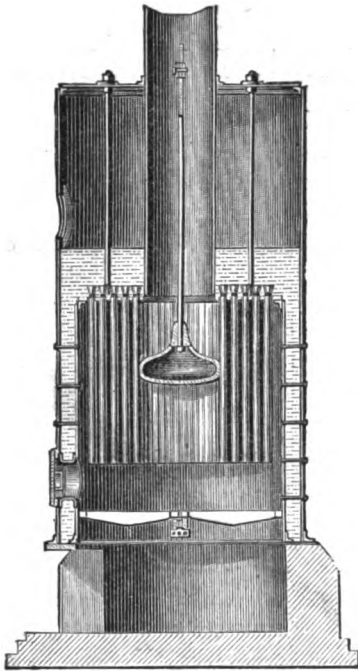
NOTE.—Messrs. Sir W. G. Armstrong and Co., R. and W. Hawthorn, Thompson and Boyd, and Robert Stephenson and Co., in a recent Report, state that "The 'Field' Boiler is easily repaired, safe in construction, and efficient in working."

TESTIMONIALS AND PAMPHLETS ON APPLICATION.

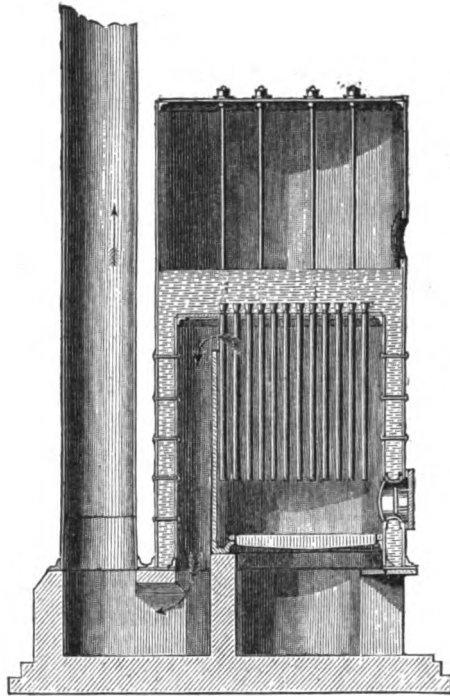
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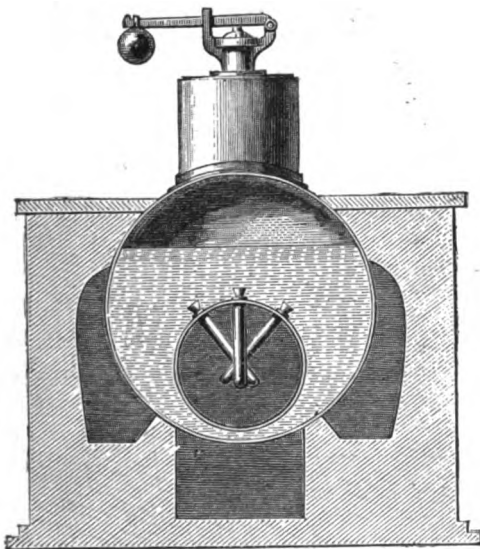
THE "FIELD" BOILER AND TUBES.



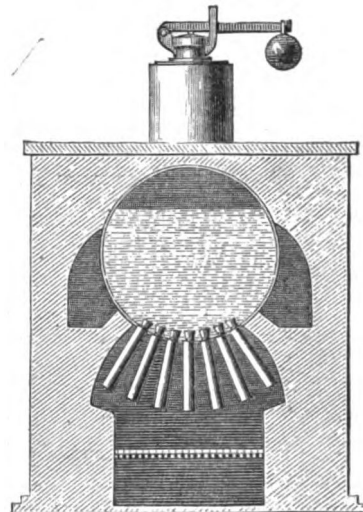
THE "FIELD" BOILER,
WITH CENTRAL UPTAKE.



THE "FIELD" PATENT BOILER,
WITH DOWNDRAUGHT AND FLUE AT SIDE.



CORNISH STEAM BOILER,
WITH SINGLE FURNACE.



CYLINDRICAL, OR EGG-ENDED STEAM BOILER,
FITTED WITH "FIELD" TUBES.

A. McGLASHAN AND CO.,
ENGINEERS, MILLWRIGHTS, BRASS AND COCK FOUNDERS, COPPERSMITHS, &c.,
VICTORIA WORKS, COAL YARD, DRURY LANE, W.C.

CONTRACTORS TO HER MAJESTY'S GOVERNMENT.

TRADE
S.P.
MARK.

LEATHER MACHINE BANDING, LACES, ETC.

The "S.P." Leather, manufactured after the principle of Preller's expired Patent, with those improvements which long experience has suggested, is particularly adapted for Machine Banding, Laces, Rope, &c. It is especially suited for hot climates, and for driving heavy Machinery, as it retains its suppleness when exposed to heat; and its great strength and durability render it cheaper in use than any other.

PRICES FOR "S.P." LEATHER.

MACHINE BANDS, TWICE STRETCHED, SEWN WITH LACES, BUTTS ONLY, NO SHOULDERS USED.

SINGLE.					DOUBLE.				
			s.	d.				s.	d.
1 inch, per foot	..	..	0	4½	2 inch, per foot	..	..	2	0
1½	"	..	0	7	2½	"	..	2	5
2	"	..	0	9	3	"	..	2	10
2½	"	..	1	1	3½	"	..	3	4
3	"	..	1	4	4	"	..	3	10
3½	"	..	1	7½	4½	"	..	4	4
4	"	..	1	11	5	"	..	4	8
4½	"	..	2	2	6	"	..	5	7
5	"	..	2	5	7	"	..	6	9
6	"	..	3	0	8	"	..	8	0
7	"	..	3	7	9	"	..	9	0
8	"	..	4	2	10	"	..	10	2
9	"	..	4	9	11	"	..	11	4
10	"	..	5	3	12	"	..	12	6

TANNED LEATHER BANDS AT THE SAME PRICES.

LACES.

					SEWING.		LASHING.	
			s.	d.	s.	d.	s.	d.
1½ feet long, per gross	..	..	6	0	..	..	6	0
2	"	..	9	0	..	..	9	0
2½	"	..	13	6	..	..	13	6
3	"	..	18	0	..	..	22	0
3½	"	..	24	0	..	..	29	0
4	"	..	30	0	..	..	36	0
4½	"	..	36	0	..	..	44	0
5	"	..	44	0	..	..	54	0
5½	"	..	54	0	..	..	64	0
6	"	..	66	0	..	..	76	0

N.B.—Laces supplied in ANY quantities at the above Prices.

ROPE, per lb. 2s. 6d. to 3s. 6d.

TWISTED LEATHER, at per foot, according to size, being a substitute for Cat-gut.

STEVENS, PELLATT, AND CO.,

69 AND 70, TOOLEY STREET. CITY OFFICES: 51, KING WILLIAM STREET.